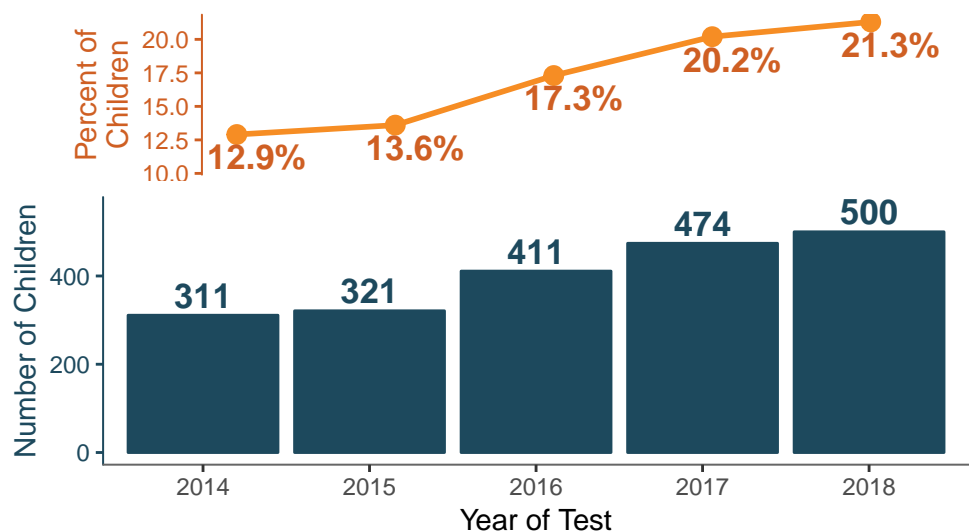


# 2018 LEAD EXPOSURE DATA BRIEF FOR THE UPPER VALLEY REGION

Lead poisoning is entirely preventable. However, nearly 1 million children living in the United States have blood levels high enough to impair their ability to think, learn, and concentrate.

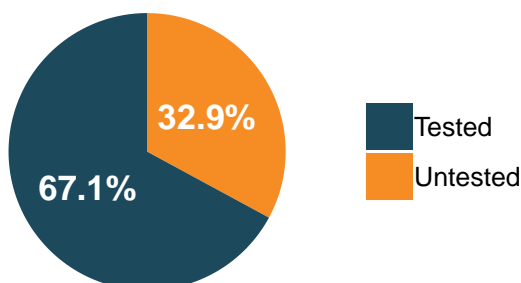
In 2018, 13 children (0 – 72 months old) in the Upper Valley Region were identified with elevated blood lead levels of 5 ug/dL or higher.

**Annual Number (and Percent) of Children, 0 to 72 Months Old, Tested for Blood Lead in the Upper Valley Region 2014 – 2018**



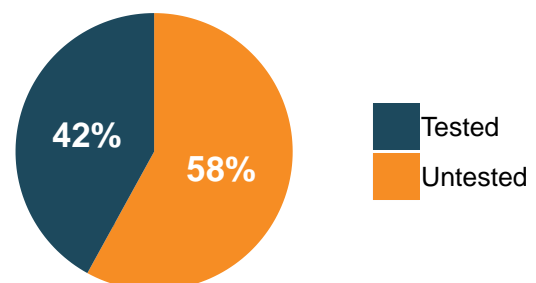
## Percent of Children Tested per New Hampshire Screening and Management Guidelines

**Percent of One-Year-Old Children Tested for Blood Lead**



In 2018, 67.1% of one year-old (12–23 month-old) children residing in the Upper Valley Region were tested for lead in their blood (249 of an estimated 371 children).

**Percent of Two-Year-Old Children Tested for Blood Lead**



In 2018, 42% of two year-old (24–35 month-old) children residing in the Upper Valley Region were tested for lead in their blood (182 of an estimated 433 children).

**In 2018, New Hampshire passed a state law requiring providers to conduct blood lead level tests for all one and two year-old children.**

# Childhood Lead Exposure by Town, 2018

TOWN	AGE GROUP (IN MONTHS)	POPULATION DPHS ESTIMATE 2018	NUMBER TESTED 2018	PERCENT TESTED (%) 2018	NUMBER WITH EBLL 5+ ug/dL 2018 ONLY	NUMBER WITH EBLL 5+ ug/dL 2014–2018	NUMBER WITH EBLL 10+ ug/dL VENOUS TESTS 2014–2018
CANAAAN	<b>0 to 72</b>	<b>241</b>	<b>30</b>	<b>12</b>	<b>0</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	38	15	40	0	0	0
	24 to 35	45	9	20	0	1 – 4	0
DORCHESTER	<b>0 to 72</b>	<b>10</b>	<b>1 – 4</b>	<b>Supp.</b>	<b>0</b>	<b>0</b>	<b>0</b>
	12 to 23	1	0	0	0	0	0
	24 to 35	1	0	0	0	0	0
ENFIELD	<b>0 to 72</b>	<b>289</b>	<b>54</b>	<b>19</b>	<b>1 – 4</b>	<b>9</b>	<b>1 – 4</b>
	12 to 23	46	22	48	1 – 4	6	0
	24 to 35	55	24	44	0	1 – 4	0
GRAFTON	<b>0 to 72</b>	<b>70</b>	<b>16</b>	<b>23</b>	<b>1 – 4</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	11	8	73	1 – 4	1 – 4	0
	24 to 35	13	5	38	0	0	0
GRANTHAM	<b>0 to 72</b>	<b>184</b>	<b>33</b>	<b>18</b>	<b>1 – 4</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	28	15	54	1 – 4	1 – 4	0
	24 to 35	35	14	40	0	1 – 4	0
HANOVER	<b>0 to 72</b>	<b>304</b>	<b>76</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>
	12 to 23	42	32	76	0	0	0
	24 to 35	49	32	65	0	0	0
LEBANON	<b>0 to 72</b>	<b>915</b>	<b>221</b>	<b>24</b>	<b>5</b>	<b>19</b>	<b>1 – 4</b>
	12 to 23	150	117	78	1 – 4	8	1 – 4
	24 to 35	176	77	44	1 – 4	6	0
LYME	<b>0 to 72</b>	<b>88</b>	<b>24</b>	<b>27</b>	<b>1 – 4</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	17	17	100	1 – 4	1 – 4	0
	24 to 35	13	7	54	0	1 – 4	0
ORANGE	<b>0 to 72</b>	<b>15</b>	<b>1 – 4</b>	<b>Supp.</b>	<b>1 – 4</b>	<b>1 – 4</b>	<b>1 – 4</b>
	12 to 23	2	1 – 4	Supp.	0	1 – 4	0
	24 to 35	3	1 – 4	Supp.	0	0	0
ORFORD	<b>0 to 72</b>	<b>74</b>	<b>7</b>	<b>10</b>	<b>0</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	12	1 – 4	Supp.	0	1 – 4	0
	24 to 35	14	1 – 4	Supp.	0	0	0
PIERMONT	<b>0 to 72</b>	<b>29</b>	<b>11</b>	<b>38</b>	<b>0</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	4	1 – 4	Supp.	0	1 – 4	0
	24 to 35	5	5	100	0	1 – 4	0
PLAINFIELD	<b>0 to 72</b>	<b>128</b>	<b>23</b>	<b>18</b>	<b>0</b>	<b>1 – 4</b>	<b>0</b>
	12 to 23	20	14	70	0	1 – 4	0
	24 to 35	24	6	25	0	0	0
UPPER VALLEY	<b>0 to 72</b>	<b>2347</b>	<b>500</b>	<b>21</b>	<b>13</b>	<b>51</b>	<b>5</b>
	12 to 23	371	249	67	9	26	1 – 4
	24 to 35	433	182	42	1 – 4	14	0

Childhood blood lead test data is from the NH Healthy Homes Childhood Lead Poisoning Prevention Program. Elevated blood lead levels (EBLL) 5+ ug/dL is defined as a venous or capillary blood test with a result of 5 micrograms per deciliter (ug/dL) or higher. Exact numbers or percents cannot be reported when there are 1–4 cases due to suppression guidelines to protect privacy.

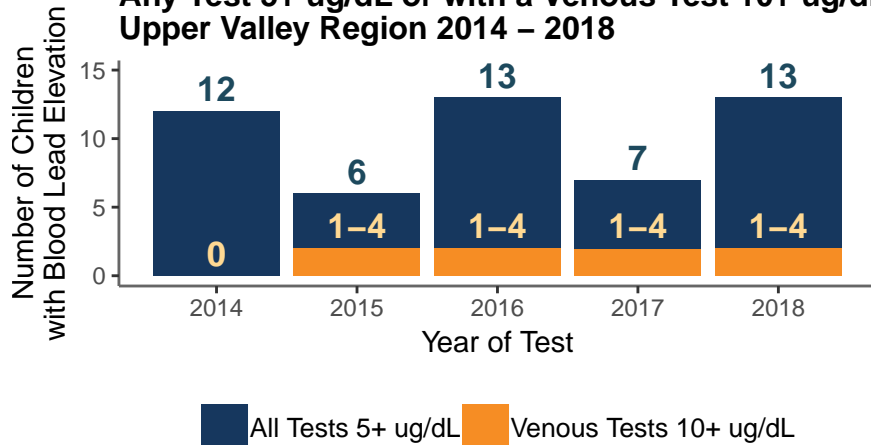
# Childhood Lead Risk Factors by Town

TOWN	POPULATION UNDER 6 YO PERCENT (%)	HOUSING UNITS BUILT PRE-1950 PERCENT (%)	HOUSEHOLDS MOVED IN LAST YEAR PERCENT (%)	RENTED HOUSING UNITS W/ CHILDREN UNDER 6 YO PERCENT (%)	UNDER 6 YO LIVING BELOW FED. POVERTY LEVEL PERCENT (%)	UNDER 6 YO IN WITH NO HEALTH INSURANCE PERCENT (%)
CANAAN	5.5	20	8.3	46	34.3	22.1
DORCHESTER	4.9	21	1.5	67	0	11.8
ENFIELD	2.9	33	7.7	54	0	13.5
GRAFTON	6.3	23	3.7	26	0	13.5
GRANTHAM	4.5	6	4.2	61	0	0
HANOVER	3.1	25	12.2	15	0	0
LEBANON	7.8	31	14.3	64	20.2	7.6
LYME	7.2	32	9.8	8	0	0
ORANGE	1.5	27	6.3	100	100	0
ORFORD	2.8	28	3.8	19	38.6	0
PIERMONT	3.7	31	3.1	14	0	0
PLAINFIELD	4.1	33	6	41	0	0
UPPER VALLEY	5.1	27	10.3	48	13.4	6.9

Risk factor data is from the American Community Survey (ACS), 5-Year Estimate Data (2013–2017). Percent of renters with children under 6 yo was calculated from housing units with known occupancy status and known age of occupants. Under 6 yo living below federal poverty level was calculated from the number of children in households with income less than the federal poverty level for whom poverty status was determined. Note, percentages for smaller towns may have a large error.

# Childhood Lead Exposure

**Annual Number of Children 0 to 72 Months Old with Any Test 5+ ug/dL or with a Venous Test 10+ ug/dL Upper Valley Region 2014 – 2018**



It only takes a speck of lead dust the size of a grain of salt to poison a child

**Number of Children 0 to 72 Months Old with Elevated Blood Lead Levels 5+ ug/dL by Town (or Census Tract) in the Upper Valley Region, 2014–2018**

